

REMARKS

Claims 1-44 have been canceled, without prejudice.

Claims 45-80 have been added and are pending. Support for the pending claims may be found throughout the specification. No new matter has been added.

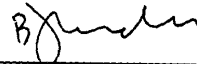
The specification has been amended above as provided in the parent application Serial No. 09/157,808. The attached formal drawings are the same as those submitted in the parent application. No new matter has been added. The attached paper copy of the Sequence Listing is the same as that filed in the parent application. The attached paper copy of the Sequence Listing is the same as the computer-readable copy of the Sequence Listing filed October 1, 1999, in the parent application Serial No. 09/157,808. The Office is requested to use the computer-readable form of the Sequence Listing from the parent application Serial No. 09/157,808 for the present case. A separate Request regarding the computer readable copy of the Sequence Listing is attached.

An early and favorable Action on the merits in the above-identified application is requested.

Heroux et al  
Divisional of Serial No. 09/157,808

Respectfully submitted,

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**MARKED UP SPECIFICATION**

Page 9, the paragraph spanning lines 23-26, has been amended as follows:

[Figure 3 shows] Figures 3(a), (b) and (c) show, schematically, three methods by which a substrate linked to a label and a binding reagent A can be contacted with [an] a cleaving enzyme and a binding reagent B (on a solid phase) so as to form a first product linked to the label and a second product linked to the solid phase (by an A:B linkage).

Page 10, the paragraphs spanning lines 1-8, have been amended as follows:

[Figure 4 shows] Figures 4(a), (b) and (c) show, schematically, three methods by which a first substrate, linked to a binding reagent A, and a second substrate, linked to a label, can be contacted with a joining enzyme and a binding reagent B (on a solid phase) so as to form a product linked to both the label and the solid phase (by an A:B linkage).

[Figure 5 illustrates] Figures 5(a), (b), (c), (d), (e) and (f) illustrate six different embodiments of the invention for measuring the activity of cleaving enzymes.

[Figure 6] Figures 6(a), (b), (c), (d) and (e) illustrate five different embodiments of the invention for measuring the activity of joining enzymes.

Page 37, the paragraph spanning lines 18 and 19, has been amended as follows:

5'-RuBpy-[AGTTGAGG]GGACTTT[CCCAGGC]-Biotin-3' (SEQ ID NO:1)  
TCAACTCCCCTGAAAGGGTCCG-5' [3'] (SEQ ID NO:2).

Page 40, the paragraph spanning lines 10 and 11, has been amended as follows:

5'-Ruthenium-GATCGAACTGACCGCCCGCGGCCCGT-Biotin-3' (SEQ ID NO:3)  
CTAGCTTGACTGGCGGGCGCCGGGCA (SEQ ID NO:4).